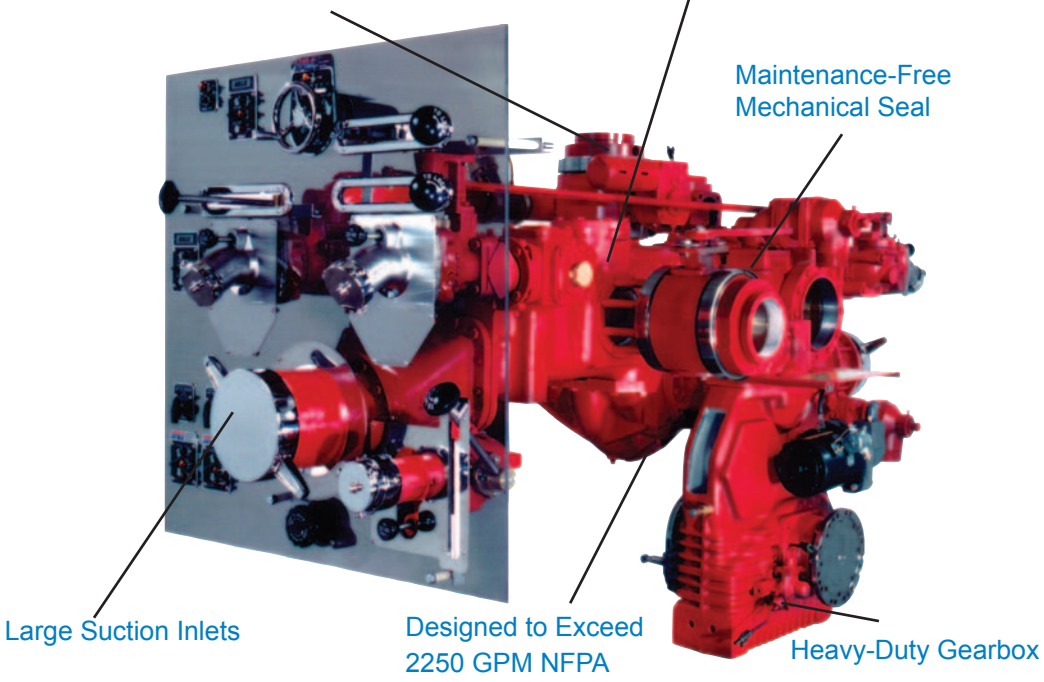
Qmax Single Stage Pump

1000 - 2250 GPM (3785 - 8515 LPM)

MIDSHIP PUMPS



The Single-Stage Technology Leader

Hale's amazing Qmax single stage midship generates NFPA 1901 rated flows up to 2250 GPM (8515 LPM). The innovative one-piece body allows easier access to the impeller and mechanical seal, minimizes piping requirements and makes routine maintenance easier.

Hale's Qmax pump provides maximum power Hydrodynamic waterways. Large suction inlets and built-in pumping reserve. The Qmax puts the features firefighters need in a design that is ahead of its time.

Features and Benefits

Oversized relief valve — Offers greater bypass with less restriction and less pressure rise. A second internal relief valve is provided on all 2250 GPM pumps.

Full flow waterways — Cuts friction losses and delivers maximum pressure at discharge valve.

Large suction inlet — Delivers pump capacities beyond NFPA 1901 standard ratings.

Single tank to pump connection Designed to provide flows up to 700 GPM with a 3-inch valve and 1100 GPM with a 4-inch valve. (Optional dual tank to pump connection available.)

Large 6-inch rear suction connection Available with MIV mounted for high flows.

Ten standard and four additional optional 3-inch discharge ports — Each designed to be capable of flow capacities in excess of 1500 GPM with low pressure drop.

Two standard and three additional optional 4-inch discharge ports — Each designed to be capable of flow capacities in excess of 2400 GPM with low pressure drop.

Designed to exceed 2250 GPM NFPA rating and to exceed 3000 GPM from a sufficient positive pressure water source and an appropriate engine.

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Low Maintenance Design:

Close supported impeller — Pump shaft is supported close to the impeller to minimize shaft deflection. Decreased shaft deflection reduces wear on shaft, impeller, clearance rings and bearings. Design eliminates need for two pump packings.

One-piece upper pump body — Minimizes potential piping leaks and makes maintenance and servicing easier.

Heavy Duty Gearbox — Designed for engine/transmission pump match flexibility with hardened chrome nickel steel precision ground gears. Shorter than other gearboxes by 30%, Hale's gearbox allows for a decreased wheelbase and improves driveline angles. Gearbox is available in several ratios that are compatible with the most popular engine/transmissions to ensure maximum performance. It has a 16,000 pound-foot drive through torque rating with the strength you expect from Hale.

Auto-Lube — A patented sleeve bearing system that lubricates and seals out and repels dirt and water. Auto-Lube ensures continuous lubrication even when you are pumping dry. It permits the use of a compact, double lip type oil seal and maintains a constant film of oil under this seal to prevent shaft wear. And, because it is built into the main pump body, it completely eliminates the need for a second high pressure packing.

Qmax 100	1000 GPM @ 150 PSI 3785 LPM @ 10.3 BAR
Qmax 125	1250 GPM @ 150 PSI 4732 LPM @ 10.3 BAR
Qmax150	1500 GPM @ 150 PSI 5678 LPM @ 10.3 BAR
Qmax175	1750 GPM @ 150 PSI 6624 LPM @ 10.3 BAR
Qmax 200	2000 GPM @ 150 PSI 7570 LPM @ 10.3 BAR
Qmax 225	2250 GPM @ 150 PSI 8515 LPM @ 10.3 BAR

Maximize Qmax pump performance with these exclusive Hale options

Torrent SVS Stainless Steel Valves — The only valve line built for the fire service with a stainless steel ball for better resistance to pits and scratches. Torrent stainless steel balls require less maintenance and are designed to exceed NFPA requirements. If lubrication is required, it can be accomplished without taking the valve apart. Available in sizes from 1 - 4 inches, Torrent valves come in a variety of configurations.

SPV Primer — Push button activated priming valve

TPM Total Pressure Master Relief Valve Protects your pump from overheating. Monitors and responds to pressure variations on both the inlet and discharge sides of the pump.

MIV Master Intake Valve — For installation on either, or both, midship pump intakes, the MIV is located behind the operator panel eliminating unsightly, bulky valves hanging outside the running boards.

ESP Oil-Less Primer — Environmentally safe oil-less priming system which does not require lubrication.

TRV/TRV 120L Thermal Relief Valve — Helps protect your pump by automatically monitoring pump water temperature. Automatically relieves water from pump when temperature of the pump water exceeds temperature setting of the valve. Combined with a mechanical seal option, this further enhances reliability and reduces maintenance.

Anode System — Helps prevent damage from galvanic corrosion within the pump.

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